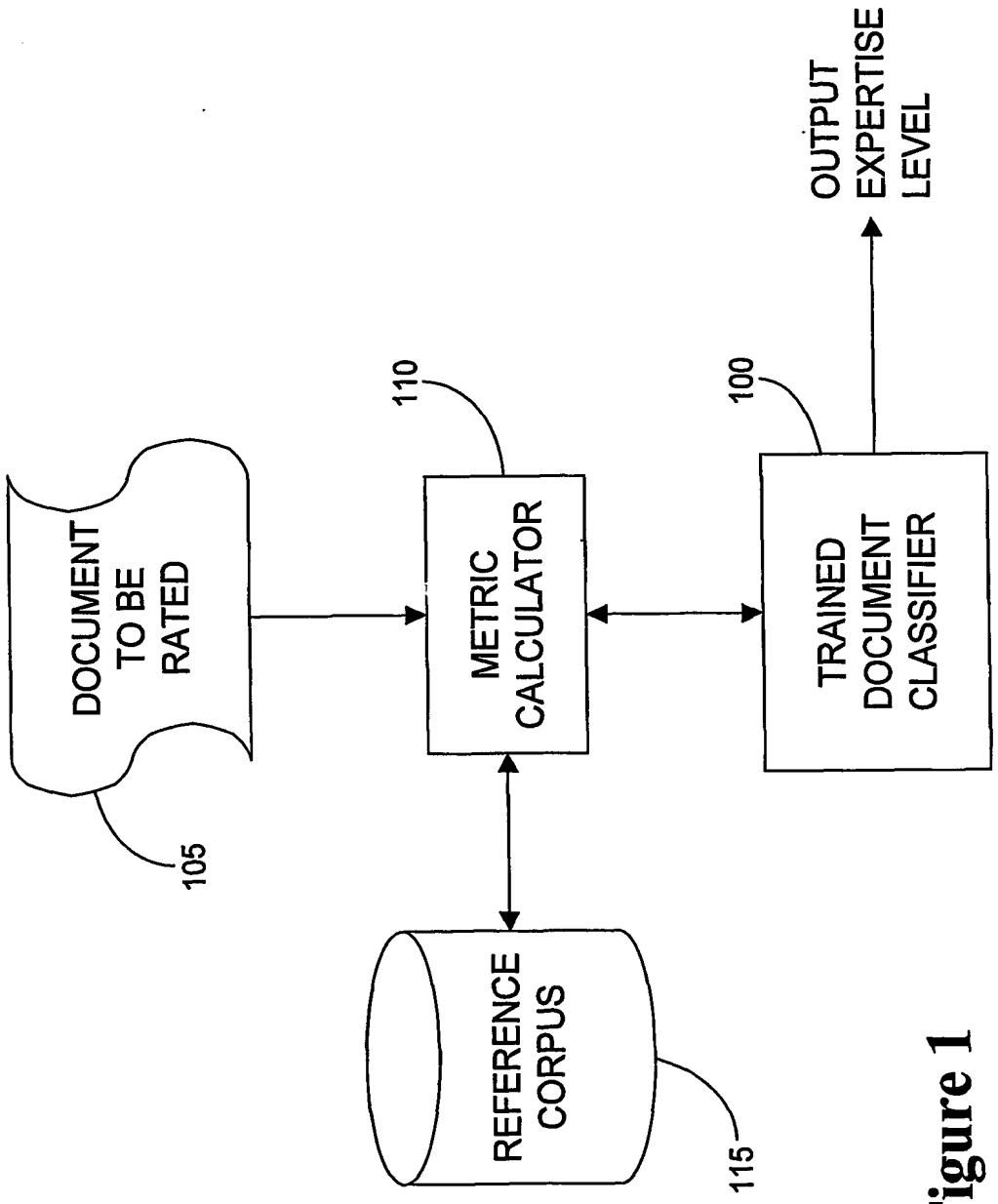
OUTPUT EXPERTISE LEVEL
110
100
DOCUMENT TO BE RATED
METRIC CALCULATOR
TRAINED DOCUMENT CLASSIFIER
105
REFERENCE CORPUS
115

Figure 1

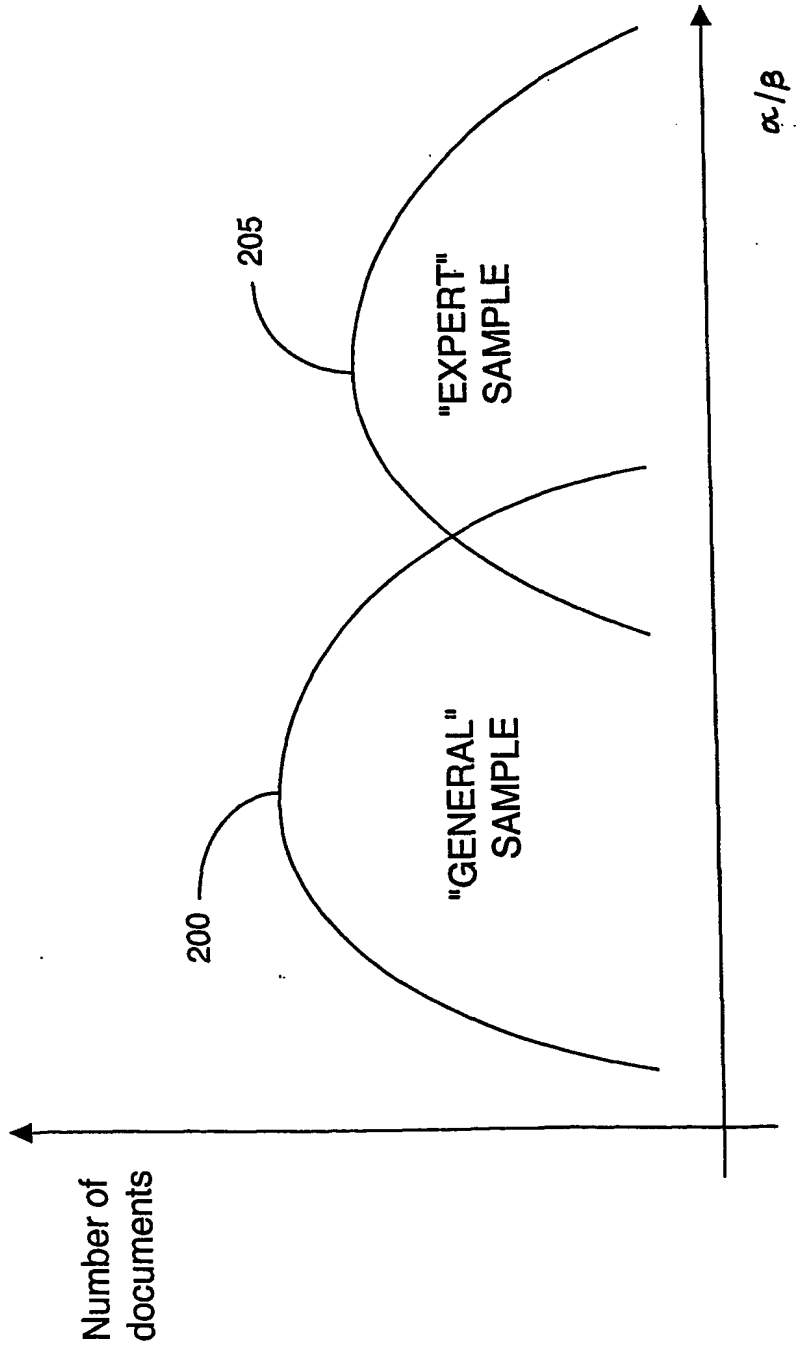
Number of documents
200
205
"GENERAL" SAMPLE
"EXPERT" SAMPLE
α/β

Figure 2

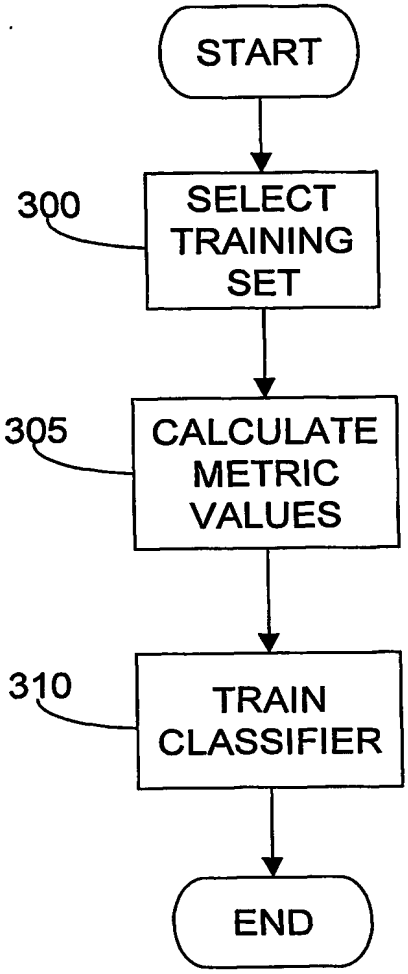
START
300
SELECT TRAINING SET
305
CALCULATE METRIC VALUES
310
TRAIN CLASSIFIER
END

Figure 3

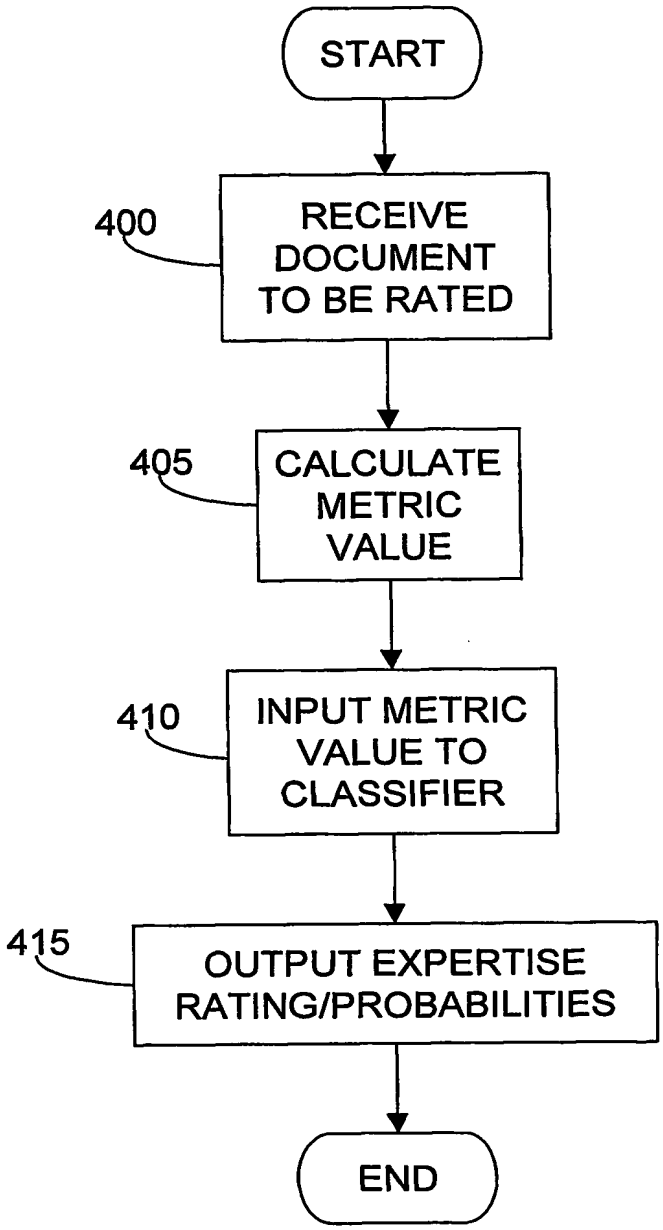
START
400
RECEIVE DOCUMENT TO BE RATED
405
CALCULATE METRIC VALUE
410
INPUT METRIC VALUE TO CLASSIFIER
415
OUTPUT EXPERTISE RATING/PROBABILITIES
END

Figure 4

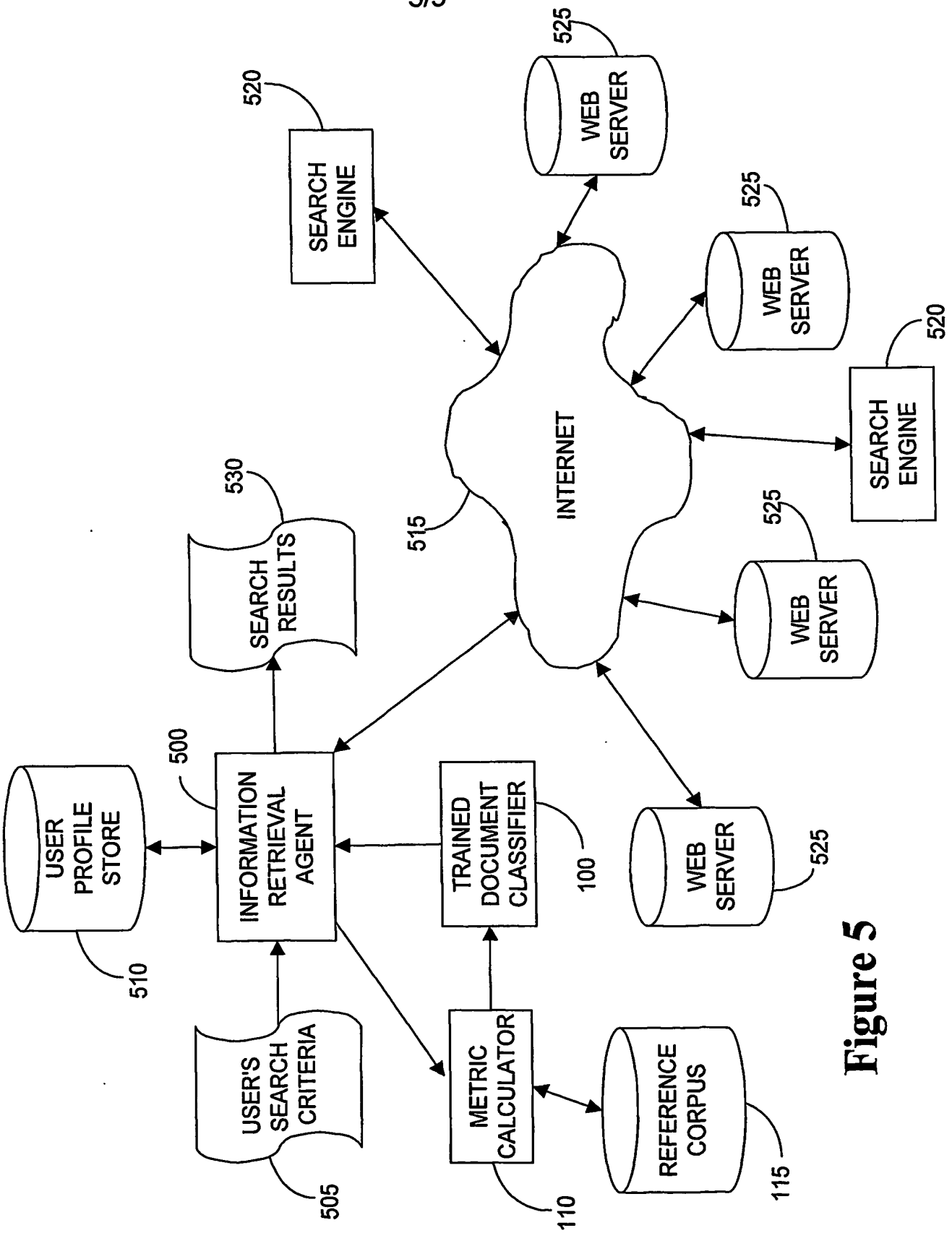
USER PROFILE STORE
510
INFORMATION RETRIEVAL AGENT
500
USER'S SEARCH CRITERIA
505
TRAINED DOCUMENT CLASSIFIER
100
METRIC CALCULATOR
110
REFERENCE CORPUS
115
SEARCH RESULTS
530
SEARCH ENGINE
520
INTERNET
515
WEB SERVER
525
WEB SERVER
525
WEB SERVER
525
SEARCH ENGINE
520

Figure 5